



OFFICE OF THE PRINCIPAL: MODEL DEGREE COLLEGE, NUAPADA, KHARIAR  
AT-PUTUPADA, PO- KHARIAR, PIN-766107, DIST- NUAPADA  
e.Mail-mdckhariar2016@gmail.com  
No-125 TENDER CALL NOTICE Date: 03.02.2024

Sealed Tenders in plain paper / Official letter pad is invited from intending Original Manufacturer / registered Firms / Authorized Dealers / Distributors/ Agencies / Suppliers having valid TIN/BRIN/GST with clearance certificate in form No.VAT-612 , & Latest- Income tax clearance certificate for supply of Items mentioned in Annexure-I . The bidders should enclose Earnest money @ 2% of quoted value in shape of A/C payee Bank- Draft / Pay-order drawn in favour of "Principal, Model Degree College, Nuapada, Khariar" payable at Khariar along with the tender papers which will be refunded to the unsuccessful bidders . The quotation must reach the undersigned latest by 4.00P Dt.15-02-2024(Thursday) by SPEED POST/REGISTERED POST/COURIER SERVICE only and the received tenders will be opened in the office of the principal on the 16-02-2024 at 11.00A.M. The item wise short list shall be prepared basing on the TERMS & CONDITION offered by the bidders in Annexure-II. The tender/s received in incomplete shape or after the scheduled date & time shall be summarily rejected . The authority reserves the right to reject any or all quotations without assigning any reasons thereof. For Detail please visit Nuapada District Web site www.nuapada.nic.in or Contact-Office of the Principal, Model Degree College, Nuapada, Khariar.

Sd/-Principal

  
31/2/24

Principal  
Model Degree College  
Nuapada



**OFFICE OF THE PRINCIPAL: MODEL DEGREE COLLEGE, NUAPADA**  
**QUOTATION FOR THE SUPPLY OF / FURNITURE/EQUIPMENTS / GLASS WARE /**  
**MODELS -CHARTS**

Quotation NO: **125**

Date: **03.02.2024**

Sealed quotations are hereby invited by Model Degree College Nuapada, Kharlar from Registered manufacturers / Dealers / Distributer for procurement of Laboratory equipment / Glass ware & Models –Charts etc.

**The details specification is available in**

**i) Annexure-(II)-Lab-Equipment / GLASS WARE / MODELS -CHARTS etc**

The Quotationers should submit the completed documents along with **EMD@2%** of the quoted value (refundable) of equipment on the Quotation documents in the form of Demand Draft drawn in favour of "Principal Model Degree College Nuapada, Kharlar " payable at Kharlar.

The Quotation paper, filled in every respect must reach the undersigned with copies of relevant documents on or before **15.02.2024** by 04.00 PM by Speed /Registered / Courier post.

**Terms & Conditions:**

1. Copies of the credibility certificates and valid authorization certificates of various relevant products must be enclosed with the quotation.
2. The firm is required to enclose copies of its current valid VAT/GST Clearance Certificates, and PAN with IT-Clearance Certificate with the quotations.
3. In case of negligence of the firm, the undersigned reserves the right to cancel the order and actions may be initiated as deemed fit against the firm.
4. The quoted price (including all taxes & transportation) must be according to concessional rates and taxes applicable for educational institutions.
5. All Quotationers will be evaluated and compared on the basis of the following order:
  - i. Compliance with the Instructions/General Conditions of the Quotation.
  - ii. Conformity with the Specifications.
  - III. Proof of ability.
  - IV. Delivery Period.
  - V. Guarantee/ Warranty, expiry period offered.
  - VI. Quality.
  - VII. Price.
  - VIII. Authorization letter from Manufacturer

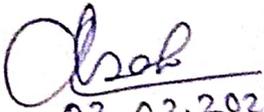
  
Principal  
Model Degree College  
Nuapada



The following Documents should accompany the Quotation.

- a) Quotation duly completed and signed.
  - b) Detail Specifications.
  - c) Bidding data sheets /Offer sheets duly completed and signed
  - d) EMD as applicable
  - e) Copy of VAT/GST and CST Registration.
  - f) Certificate of Incorporation/Business Registration.
  - g) All other documents as mentioned in the term and condition.
  - h) Authorization letter from Manufacturer
- 8 Tax may be charged against as per the rules applied to an educational institution.
- 9 Any dispute arising out of the transaction shall be subjected to the jurisdiction of Orissa High Court only.
- 10 The Quotationers is required to submit the Quotation papers filled in, with other supportive documents, failing which, they may be rejected.
- 11 The undersigned reserves the right to reject any or all quotations received without assigning any reason thereof.
- 12 The Quotation will be opened on dated **16.02.2024** at **11.00AM** in the office of the Principal **Model Degree College Nuapada, Khariar .**

**N.B:- Incomplete data in any respect is liable for rejection.**

  
03.02.2024  
Principal  
Model Degree College  
Nuapada



## APPLICATION FORM

Quotation No. \_\_\_\_\_ Dt. \_\_\_\_\_

1. Name of the Firm :

2. Address :

3. Phone No :

4. Contact Person :

With mobile

5. PAN (copy enclose) :

6. TIN/GST (copy enclose) :

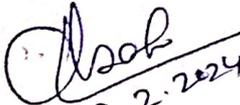
7. VAT (Form-612 Copy) :

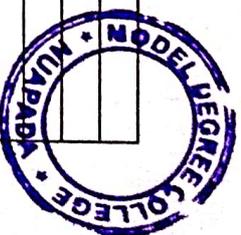
### Declaration:

We do hereby declare that, we have gone through the details of the technical specifications and other terms and conditions mentioned in the Quotation Paper received against the Quotation No. \_\_\_\_\_ Dt. \_\_\_\_\_ and will abide by them.

**Authorised Signatory**

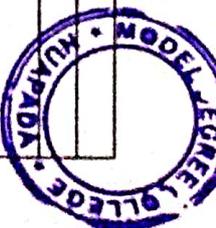
**with Seal & On behalf of the Firm.**

  
03.2.2024  
**Principal**  
**Model Degree College**  
**Nuapada**

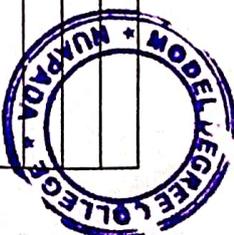


ANTHROPOLOGY	
Sl. No	Equipment/Apparatus for Anthropology Laboratory (UG)
1	Seed bag for skull
2	Mandibulometer
3	Skinfold caliper
4	Martin Anthropometer rod
5	Osteometric board
6	Steel tape
7	G6PD Deficiency test kit
8	Sliding caliper
9	Spreading caliper blunt-end
10	Spreading caliper pointed-end
11	Goniometer
12	Indian Archaeological sites Map (Lower, Middle, Upper Paleolithic, Mesolithic, Neolithic, Bronze and Iron age)
13	Demographic Tribal Maps of Odisha
14	DNA distribution Maps
15	Geological time scale-
16	Human skeleton map
17	Five views of Skull (Norma views)
18	Balance dietary Map WHO
19	Karyotyping chart (Male, Female normal)
20	Karyotyping chart (Chromosomal abnormalities- turner, down syndrome, etc)
21	Porelon finger printing pads
22	Laminated fingerprint cards
23	Black powder
24	Black powder
25	White powder
26	White powder brushes
27	Fingerprint lifting tape
28	Jar orange powder
29	Jar magnetic powder
30	magnetic powder applicator

31	Blue light	
32	Laminated fingerprint types identification cards	
33	Box latex or nitrile gloves (XS for elementary grades, M for older students)	
34	Feet of yellow crime scene tape	
35	Microscope 8	
36	Microscope compound 8	
37	Microscope Slide	
38	Clackle(collor bone)	
39	Humerus	
40	Radius	
41	Ulna	
42	Femur	
43	Tibia	
44	Fibula	
45	Phalanges (hand and leg)	
46	Ribs	
47	Tarsals and meta tarsals bone	
48	Carpals and meta carpals bone	
49	Set of vertebrae	
50	Sacrum	
51	Irregular Bones	
52	Scapula	
53	Pectoral girdle / hip bone	
54	Human skull without mandible	
55	Human skull with mandible	
56	Human mandible	
57	Weighing machine (weighing machine) Electronics	
58	Core Hammer stone	
59	Bifacial Chopping Tool	
60	Tear drop Hand Axe	
61	Hand-Axe cum Scraper	
62	Cleaver	
63	Core scraper	
64	Scraper	
65	Pebble	

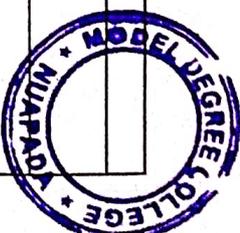


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66	Sharpening Stone	
67	Core Chopper	
68	Ovate Handaxe	
69	Thumb-Scraper	
70	Hand-Axe	
71	Wide-Borer	
72	Biconcave Scraper	
73	Fine-Borer	
74	Point	
75	Bone Awls	
76	Elephant tusk flaker	
77	Notched Arrowheads	
78	Blades	
79	Trapeze	
80	Tanged Arrowheads	
81	Knives	
82	Flake Scraper	
83	Triangle	
84	Fluted Core	
85	Adze	
86	Flaked Celts	
87	Carved axe for Hafting	
88	Shouldered Celt	
89	Ring Stone	
90	Chisel	
91	Mallet Axe	
92	Tortoise core	
93	Bone needles	
94	Harpoons	
95	Lunate	
96	Willow Leaf Point	
97	Laurel Leaf Point	
98	Polished Celts	
99	Venus Of Willendorf	
100	Venus of DolnıVestonice	
101	Baton d' Commandement	

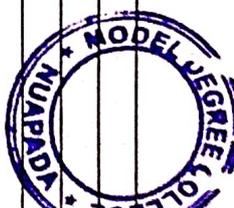
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## BOTANY

Sl. No	Equipment/Apparatus for Botany Laboratory (UG)	Description
102	Venus Figurines	
1	PCR	machine 48 well, 0.1 MI
2	Refrigerated Centrifuge	max. 16000 RPM 1.5 ml/15 ml rotor (table top)
3	Horizontal(Medium) and vertical gel electrophoresis	with complete set( Comb, glass plate etc all included) and power pack
4	Digital PH meter	
5	Vortex machine	
6	Inverter	
7	UV-Torch	Standard
8	Autoclave	Specification:Size 250x 450mm Load 2Kw ,Capacity 22litre
9	UV trans illuminator	
10	Microwave Oven	
11	Digital Dry bath mini 1.5 ml	
12	Vertical Laminar Air flow cabinet	Stainless steel voltage 220V
13	Students' Compound Microscope	
14	Respiratory apparatus	
15	T/A apparatus	
16	Hemocytometer	
17	Water bath	
18	Weighing Balance	
19	Stop watch	
20	Light Microscope	
21	Permanent Slide	
22	Flow Chart	
23	Laptop(DELL)	
24	Visible Spectrophotometer	
<b>CHEMISTRY</b>		
Sl. No	Equipment/Apparatus for Chemistry Laboratory (UG)	Description
1	Test tube	Borosil(15X125)
2	Round bottomed flask	500ml.

  
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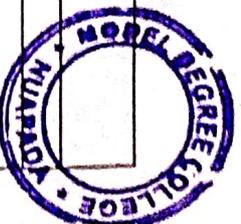


3	Flat bottomed flask	Of different volumes
4	Beaker	Of different volumes
5	Conical flask	Of different volumes
6	Graduated cylinder	Of different capacities
7	Graduated Pipette	Of different capacities
8	Volumetric pipette	Of different capacities
9	Filter Funnel	
10	Burette	
11	Thermometer	
12	Buchner Funnel	
13	Air condenser	
14	Water condenser	
15	Separating funnel	Of different capacities
16	Volumetric Flask	Of different capacities
17	Soxhlet extractor	
18	Calorimeter	
19	Ostwald's viscometer	
20	PH meter	
21	Stalagmometer	
22	UV-Visible Spectrophotometer	
23	Colorimeter	
24	Microwave Oven	

### Mathematics

Sl. No	Equipment/Apparatus for Mathematics Laboratory (UG)	Description
1	Desktop Computer	HP AIO 22-DD0201IN Desktop (AMD Ryzen 3/4 GB RAM/ 1 TB SATA/21.5(54.61 Cm)/ AMD Integrated Graphics/ Windows 10)
2	Projector	LED Projector with world mount
3	Printer	MFP
<b>Computer Science Laboratory (UG)</b>		
Sl. No	Equipment/Apparatus for Computer Science Laboratory (UG)	Description

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3/2/24



### Education Laboratory (UG)

1	Desktop Computer	HP AIO 22-DD0201IN Desktop (AMD Ryzen 3/4 GB RAM/ 1 TB SATA/21.5(54.61 Cm)/ AMD Integrated Graphics/ Windows 10)
2	Printer	MFP

### Sl. No/ Equipment/Apparatus for Education Laboratory (UG)

Description

1	Desktop Computer	HP AIO 22-DD0201IN Desktop (AMD Ryzen 3/4 GB RAM/ 1 TB SATA/21.5(54.61 Cm)/ AMD Integrated Graphics/ Windows 10)
2	Printer	MFP

### Library Science

### Sl. No/ Equipment/Apparatus for Library Science Laboratory (UG)

Description

1	Computer System	HP AIO 22-DD0201IN Desktop (AMD Ryzen 3/4 GB RAM/ 1 TB SATA/21.5(54.61 Cm)/ AMD Integrated Graphics/ Windows 10)
2	Catalogue Cabinet	Minimum 5 Drawers

### Psychology Laboratory (UG)

### Sl. No/ Equipment/Apparatus for Psychology Laboratory (UG)

Description

1	Aesthesiometer	
2	Wieght Box	
3	Metronome	
4	Table Screen	
5	Memory Apparatus	
	Physics Laboratory (UG)	

### Sl. No/ Equipment/Apparatus for Physics Laboratory (UG)

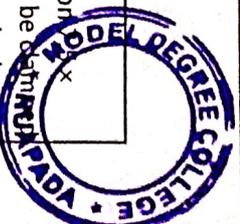
Description

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1	Meter Scale full	Wooden
2	Meter Scale full	Stain less Steel
3	Meter Scale Half	Wooden
4	Vernier Callipers :	well finished, Stainless Steel in Case; Least count =0.002 or 0.01
5	Screw Gauge :	Well finished. 25mm Stainless Steel in Case; Least count =0.001
6	Spherometer :1/100	Brass scale, with stainless-Steel screw
7	Stop clock:	Smith English type' with stop, Start& Fly back action
8	Timer : Digital	
9	Rising Table: (Capillary Rise Method)	Fitted with slow motion for easy movement, fitted with plate at the top, on heavy metal base complete with capillary tube holder, rod & boss-head
10	Capillary tube (Glass)	Different dia 0.2mm to 0.4mm
11	Capillary tube holder	Metallic, To hold three capillaries with pointer
12	Sextant with stand	All coloured metallic sextant with arc radius 6-7/16"
13	Spring Constant Laboratory Apparatus	a spiral spring about 25mm in diameter and 10cm long with hook for slotted weight, with meter scale and zero adjuster, fitted on 8"x5" base
14	Slotted weights (Set of 5) Iron	10gm (5x10gm)
		20 gm (5x20gm)
		50gms (5x50gm)
		100gm (5x100gm)
		250gm (5x250gm)
		500gm (5x500gm)
		1Kg (5x1Kg)
15	Fractional weight: Analytical,	1 mgm-500 mgm.
16	FLYWHEEL	15cm diameter; balanced cast iron wheel and steel spindle is supported on ball bearings in strong iron brackets with pointer and diametric hole can be fixed to wall
17	Poiseuilles method	L-shaped glass tubes forming the manometer with scale; A capillary tube of fine bore is fitted on a wooden board with a three limbed constant level tank of Brass
18	Maxwell's needle (with ceiling attachment )	25mm X 400 mm Dia 18cm and graduated with scale divided in millimeters on both sides from 0 to 15cm ; with a small chuck (torsion head) in the middle of which is fixed a plane mirror; Two solid brass cylinders and two hollow cylinders, all of length 10 c.m. long
19	Bar Pendulum	100 cm long bored at equal interval, with two removable knife edges and a wall bracket.

*(Signature)*  
Principal



20	Kater's Pendulum (Steel)	Rod size 1.20 m Dia 1cm ; two adjustable knife edges; two metal weights (made of cast iron) of dimension 3.75cm (length x diameter) and (3.5 x 3.75cm) respectively can be made to slide and can be held in any position. Two wooden weights exactly similar to metal weights can also slide along the bar, knife edges and a wall bracket.
21	Callender and Barnes Apparatus	A horizontal corning glass tube open at both ends; a coil about 40 cm long of Ni- chrome wire (heating element); apparatus is mounted on a polished wooden base board., a copper calorimeter of 5 X 7.5cm size with outer vessel
22	Battery eliminator	0 to 12 V & output current 1 -3A
23	Thermo meter	100 degree Centigrade
24	Milli ammeter	0 to 100 mA
25	Voltmeter	0 to 50V
26	Lee & Charlton Apparatus	Cylindrical brass slab of 11cm dia and 10.5mm thick. On this rest a 4.5cm deep brass hollow cylinder (Steam Chest) of this same dia with inlet and outlet tubes for steam. A hole for thermometer is drilled radially in each, and the cylindrical brass slab is fitted with eyelets to enable it to be suspended by three strings from stout annular ring. The ring is held on a heavy Retort Stand. three suitable test specimens (glass, cardboard, and bakelite)
27	Hot Plate	Electric heater
28	Copper steam generator	A Vessel of 2 litre capacity
29	Rubber lab hose	1 cm dia
30	Platinum Resistance Thermometer Setup(Griffith Bridge)	Complete set up for PRT
31	Platinum Resistance Thermometer	Fine platinum wire of about 2.8 ohms resistance wound non inductively on a mica frame & soldered to stout 4 copper leads. All four leads being connected to terminals mounted on a suitably engraved insulating panel, which is joined to the mica resistance frame by cork mount on to which is fitted a stainless Tube.
32	Galvanometer	Analog
33	Copper Connecting Wire Cotton Insulated	100gm
34	Thermocouple trainer Kit	With a copper Constantan thermocouple
35	Copper calorimeter	5 X 7.5cm size with outer vessel of well-polished wood fitted with Bakelite top with hole for thermometer & Stirrer
36	Digital balance	Cap. 600gm Sensitivity 0.1gm (100mg). Superior. quality, small size

37	Searle's Apparatus (Iron)	an scale with vernier reading 0.1mm; clamping screws for the wires and hooks for the ten weight and loading masses; a ceiling clamp is provided for the upper ends of the wires, together with a pair of large wood screws for attaching it to a convenient overhead beam,
38	Spirit Level	1.0mm Accuracy without Magnet(Used for Optics Lab Also)
39	Sonometer A/C Frequency Apparatus	The set consists of Step Down Transformer, weights with hanger, a pair of Bar Magnets, an arrangements to place the Bar Magnets, (or Electromagnet) & Wooden Sonometer with brass parts
40	Tuning fork set	Aluminium Harmonic Tuning Fork for Laboratories (Set of 8 Pcs)
41	Torsion Apparatus (Barton's) Horizontal Type	Mild Steel; Table fixable
	Vertical Type	A steel frame mounted on a heavy cast iron base with levelling screws.
42	Melde's Apparatus	Electrically maintained tuning fork, fine thread, scale pan.
43	Diode laser (RED)	Wave length : 655 nm Optical power : 5 mW Operating Current : 28 mA Operating Temperature:10°C~35°C Input Voltage:230V
44	He-Ne Laser (Mountable on Optical Bench)	A 5 milliwatt Laser, in built power supply workable on 220V AC, 50Hz. Design for continues working. Highly rugged mechanical setup. Up- Down motion for beam.
45	Optical Bench	Double rod with 1.5meter stainless steel rod
46	Spectrometer	Stainless steel single phase; Dia 6" College Pattern Superior quality
47	Sodium Light Source	35 W; sodium vapour lamp transformer & heavy metal box for with electrical fitting
48	Mercury lamp	160W; 240V-50Hz input Complete with Wooden box
49	Travelling Microscope or Vernier Microscope:	Cast iron good quality with vertical lateral and Horizontal scales (Three Motions).Least Count:0.01mm
50	Travelling Microscope for Newton's ring Experiment:	Least Count:0.01mm
51	Newton's Ring Apparatus :	a glass plate angle in groove in the sides of a small wooden box at an angle of 450 inside back and a plane glass plate and lense 2" dia
52	Reading Telescope fitted with Achromatic lenses	Special clamp is provided for up & down motion (Mild steel)
53	Single Slits. (for single slit diffraction)	with rod can be fixed on optical bench
54	Double Slits. (for double slit diffraction)	with rod can be fixed on optical bench
55	Adjustable slit for optical bench	Spring loaded precision split. Maximum slit opening of 4mm.
56	Diffraction grating :	15,000 lines per inch
57	Ground Glass Screen:	Superior 6" x 4", metal holder for optical bench
58	White screen	For optical bench with ruler
59	lens holder	Rectangular frame lens holder. With provision to hold filters also.



*(Signature)*

60	Needle holder	For optical bench
61	Plane Convex Lens :	Dia. 2" H. 20cm.
62	Prism glass:	Isosceles, 1.5"
63	Prism : For Spectrometer.	Size 12 x 12mm Flint glass
64	Rabinets compensator	Micrometer screw reads upto 0.001cm.
65	Wollastons air- film	With attachment
66	Gaussian Eye piece	For refractive index of glass and liquid
67	Polarizer- analyzer pair,	Malus law verification
68	Sodium Lamp	Tube Size: 200mm
69	Polarizer mount	0 to 360 degree; Mountable to telescope of spectrometer
70	Black cloth	As per the size of the room or partition
71	Function Generator	60MHZ Digital Control Dual- channel DDS Function Signal Generator/Frequency meter
72	Cathode Ray Oscilloscope	Type of Product : Dual Trace Oscilloscope Bandwidth : 30 MHz Model No : CI 5 5030 Vertical Sensitivity : 5 mV-5 V/DIV f/p
73	RC Circuit characteristics Kit	Built in power supply : +20V variable & 10V variable DC Mains : 230V AC
74	Potentiometer:	10 wire, with pencil type, jockey.
75	Metre Bridge: (Cary Foster's Bridge)	Four Gap with terminals with pencil type jockey.
76	Leclanche cell	a copper pot, copper (II) sulphate, sulfuric acid and a zinc electrode
77	Daniel Cell	
78	Leclanche Cell Substitute Electronic	Cotton Insulated
79	Copper Connecting Wire	1-10000 Ohms Plug Type
80	High Resistance Box	0.01-1 Ohms & 1-10 Ohms Plug Type
81	Fractional Resistance Box	1-500 Ohms
82	Resistance Box	Input 220 volt A.C., output 0-12 v D.C. Extra Superior quality fitted with heavy duty transformer & long life Bridge Rectifier
83	Battery Eliminator	DC moving coils 0-100mA/0-10mA
84	Ammeter:	DC moving coils mV (0-50mV) 0-50V
85	Voltmeter	DC moving coil Range 30 0- 30
86	Galvanometer :	With 5 Different Soldering Tips & 1 Roll Solder Wire, 80W/220V Temperature
87	Soldering Iron Kit	
88	Determination dB/dx Solenoid Type	Complete Kit



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21/2/24



89	De Sauty's Bridge Apparatus	sine wave signal of 1KHZ Rotary switch. Circuit Diagram: 4mm socket are provided for making connection. R1, R2 : Two decade dial of $\times 10$ & $\times 100$ ohms. R1, R2 : Decade dial of $\times 0.1$ mfd.
90	Series/Parallel LCR circuit	Series/Parallel LCR circuit Kit
91	Zener diode Apparatus	
92	Bipolar Junction Transistor (BJT) Kit	
93	RC-coupled transistor amplifier	
94	Wienbridge oscillator (using an op-amp)	
95	4-Bit Binary Adder and Subtractor Trainer Kit.	
96	Astable/ monostable multivibrator	using 555Timer
97	Op Amp Based LC Oscillators	Study of different LC oscillator circuits using operational amplifiers
98	Study of a Basic Operational Amplifier	
99	Quinck's Tube Apparatus	1. Compact Electromagnet (2K Gauss) arrangement with U-core. 2. DC Regulated Power Supplies (constant current and constant voltage source). 3. Digital Gauss meter with 2k & 20k Gauss capacity and resolution 4. Digital Weighing scales (700gm) 5. Travelling Microscope with least count of 0.01 mm.
100	Magnetic Susceptibility Gouy's Balance Method	Electromagnet : 0-6Amp, 60V digital display, Pole Pieces : 50mm dia. Digital Gauss Meter :Range : 0-2 K Gauss & 0-20 K Gauss
101	Dielectric Constant	Digital Display with dielectric sheets, 220V input
102	Hall coefficient setup	(i) (a) Hall Probe (Ge Crystal - n type)(b) Hall Probe (Ge Crystal - p type)(ii) Hall Probe Multipurpose Stand,(iii) Hall Effect Set-Up,(iv) Electromagnet, (v) Constant Current Power supply, D Gauss meter
103	BH curve of Fe using solenoid	Features : Power Supply : 2,4,6,8,10,12 V Selectable By using band switch, Control Knob : X knob, Y knob Solenoid : Primary 1000 , Secondary 280 Turns
104	Four Probe	Four Probe Arrangement Oven up to 200 C Sample Ge Crystal mounted Thermometer 200 degree C Four Probe Setup
105	ESR Apparatus	FET based marginal R.F. Oscillator Digital display of frequency Excellent peaks display Digital display of Helmholtz Coil Current

*Prof. [Signature]*  
3/2/24



106	Zeeman Effect Apparatus	Zeeman Effect Apparatus Consists of: (1) Electromagnet (7.5KGauss) with Power Supply(30V/5A) (2) Mercury tube with power supply (3) optical bench (4) Fabry-Perot etalon (5) condenser lens in mount (6) telescope (7) CCTV camera with connecting cables (8) 21 inch LED T.V
107	Tunnel diode I- V characteristics	Tunnel diode I-V characteristics Kit
108	Plancks constant using LEDs of at least 4 Different colours Kit	Digital panel meter 3½ digit 20 Volt DC03. Digital panel meter 3½ digit 2000mA DC04. For different colour LED'S (Red, Yellow, Blue, Green)05. Mains ON/OFF switch & Fuse. The unit is operative on 230V ±10% at 50Hz AC
109	e/m by (a) Magnetic focusing or (b) Bar magnet.	Power Supply : E.H.T. 800V D.C. for cathode Voltage to C.R. tube. 0-100 volts D.C. with moving coil meters to measure the Deflecting voltage either Y1 or Y2 Plates. Cathode Ray tube fitted on wooden frame with scale divided in centimeters. DeflectingMagnetometer with permanent magnetic compass included. Compass stand, a pair of Bar Magnet.
110	Stefan's constant measurement kit	Power Supply: 0 V to 30 V variable Voltmeter: 0-200 V DC, 3.5 Digits, LED Display Current meter:0-2 A DC, 3.5 Digits, LED Display
111	Boltzmann constant Kit	Digital DC Voltmeter to measure the voltage across the diode.
<b>Zoology Laboratory (UG)</b>		
<b>Sl. No</b>	<b>Equipment/Apparatus for Zoology Laboratory (UG)</b>	<b>Description</b>
1	Compound Microscope(Magnus Make)	Eye piece:10x and 15X (Huygenian) Objectives:10x, 40x/45x, 100x (spring loaded) Colour:Blue, Semi Glossy White, Jet Black Magnification:100x -675x
2	Microscope Dissecting	Redical Make

*Prof*  
2/12/24



3	pH meter	Type Of Ph Meter: Table-Top Usage/Application: Laboratory Calibration: up to 3 points Type: Table-Top Display Type: 3 Digit LED display Ph Range: -2.00 to 16.00 pH
4	Weighing balance	Capacity (Gram): 220 Response Time: Approx 3.0 sec Repeatability :less than or equal to 0.1 mg Linearity :+- 0.2 mg
5	Microtome	
6	Reflex Hammer	
7	Serological Water bath	Voltage (V): 230 Voltage (Hz): 50 Temperature (Deg. Celsius): 37 Capacity (L): 12-100 Power Supply (Hz): 230/50 Customisation: Yes
8	Electrophoretic unit	Brand iGene Labserve Operation Mode Manual Model Name/Number IG-31DN GEL Electrophoresis Unit Midi Usage/Application Laboratory Dimensions 60x60(mm),120x60(mm),60x120(mm),120x120(mm).
9	Sphygmomanometer	Manual
10	Haemoglobinometer	Brand Name AJAYOPTIK Instrument Type MEDICAL
11	Haemocytometer	Haemocytometer With Micropipettes

  
Principal



12	Spectrophotometer	Wavelength Range: 320-1020nm Spectral Bandwidth: 5nm Optical System : Single Beam, Grating 1200lines/mm Wavelength Accuracy: $\pm 2$ nm Wavelength Repeatability: 1nm Photometric Accuracy: $\pm 0.5\%$ T
13	Vortex machine	Weight: 0.8 Dimensions (W X D X H) 90 x 150 x 80 Height mm: 50 Max. speed rpm:3000 Min. speed rpm:750
14	Bench top Centrifuge	<ul style="list-style-type: none"><li>• Bench Top Digital Centrifuge Machines. •,</li><li>• The body is made of CRC sheet, finished in powdercoating.</li></ul> See through acrylic lid.
		<ul style="list-style-type: none"><li>• Digital Timer 0-99 minutes</li><li>• Digital display of speed (rpm).</li><li>• Maximum speed 3000 r.p.m. (Without load) and 2850 rpm on load.</li><li>• Supply is completed with 8x15ml Swing out head</li></ul> instruction manual, spare fuses, cord & plug to work on 220volts 50 Hz A.C
		8 reduction adopter to accept test tubes of size 12x100mm ofborosil means 5ml capacity
		<ul style="list-style-type: none"><li>• Angle head of 8x15ml can also be supplied in place of swing out head.</li></ul>
15	Egg incubator	
16	Distillation Unit	
17	Laminar Air-flow	
18	Autoclave	
19	BOD Incubator	Usage/Application :Used to maintain temperature for test tissue culture growth
20	ELISA plate reader	
21	Lap Top(DELL)	Dell

  
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